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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING SUBMISSION UNDER 35 U.S.C. 371</b>  |   | ATTORNEY'S DOCKET NUMBER<br><br><div style="text-align: center; font-weight: bold; font-size: 1.2em;">40853-5144US1</div>               |
| INTERNATIONAL APPLICATION NO.<br><div style="text-align: center; font-weight: bold;">PCT/US2004/41070</div>  | INTERNATIONAL FILING DATE<br><div style="text-align: center; font-weight: bold;">03 December 2004</div> | U.S. APPLICATION NO. (if known, see 37CFR 1.5)<br><div style="text-align: center; font-weight: bold; font-size: 1.5em;">10/576506</div> |
| TITLE OF INVENTION<br><div style="text-align: center; font-weight: bold;">GLYCOPEGYLATED FACTOR IX</div>   |   |   |
| APPLICANT(S) FOR DO/EO/US<br><div style="text-align: center; font-weight: bold;">Shawn DEFREES, Robert J. BAYER, Caryn BOWE, Krishnasamy PANNEERSELVAM</div>   |   |   |
| <p>Applicant herewith submits to the United States Designated/ Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The U.S. has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11. to 20. below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input checked="" type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Postcard, copies of Int'l. Search Report and 2 references cited thereon, Preliminary Amendment, 27 replacement figures</li> </ol> |   |   |

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>10/576506</b>  |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/US2004/41070</b>                      |            | ATTORNEY'S DOCKET NUMBER<br><b>40853-5144US1</b> |                 |
| 21. The following fees are submitted:<br><input checked="" type="checkbox"/> a) Basic national fee<br><input checked="" type="checkbox"/> b) Examination fee<br><input checked="" type="checkbox"/> c) Search fee<br><b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |            | Applicant Use                                    | Office use only |
|  |              |   |            | \$ 300.00  |                 |
|  |              |   |            | \$ 200.00  |                 |
|  |              |   |            | \$ 100.00  |                 |
|  |              |   |            | \$ 600.00  |                 |
| <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |   |            |  |                 |
| Total sheets   | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |  |                 |
| 141 - 100 =  | 41           | 1   | x \$250.00 | \$ 250.00  |                 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |            | \$   |                 |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE       |  |                 |
| Total claims   | 25 - 20 =    | 5   | x \$50.00  | \$ 250.00  |                 |
| Independent claims   | 2 - 3 =      | 0   | x \$200.00 | \$   |                 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | + \$360.00 | \$   |                 |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | \$ 1,100.00                                      |                 |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |   |            | \$ 550.00  |                 |
| <b>SUBTOTAL =</b>  |              |   |            | \$ 550.00  |                 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |   |            | \$   |                 |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | \$ 550.00  |                 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |              |   |            | \$   |                 |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | \$ 550.00  |                 |
| Amount to be refunded:   |              |   |            |  | \$              |
| Amount to be charged:  |              |   |            |  | \$              |
| a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 50-0310 in the amount of \$550.00 to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0310. A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING: Information on this form may become public. Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038. |              |   |            |  |                 |
| SEND ALL CORRESPONDENCE TO:<br><br><b>MORGAN, LEWIS &amp; BOCKIUS LLP</b><br><b>(Customer Number 43850)</b>  |              |   |            |  |                 |
| <br>SIGNATURE<br><br><u>Jeffry S. Mann</u><br>NAME<br><br><u>42,837</u><br>REGISTRATION NUMBER  |              |   |            |  |                 |